



Ground Vehicle Robotics

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Unclassified

Robotics Data Points

CJCS talks about unmanned convoys:

According to article in Omaha World Herald (27 June 2012):

- The US military will one day use unmanned trucks driven by remote control to deliver supplies in war zones
- "We could save a lot of lives"

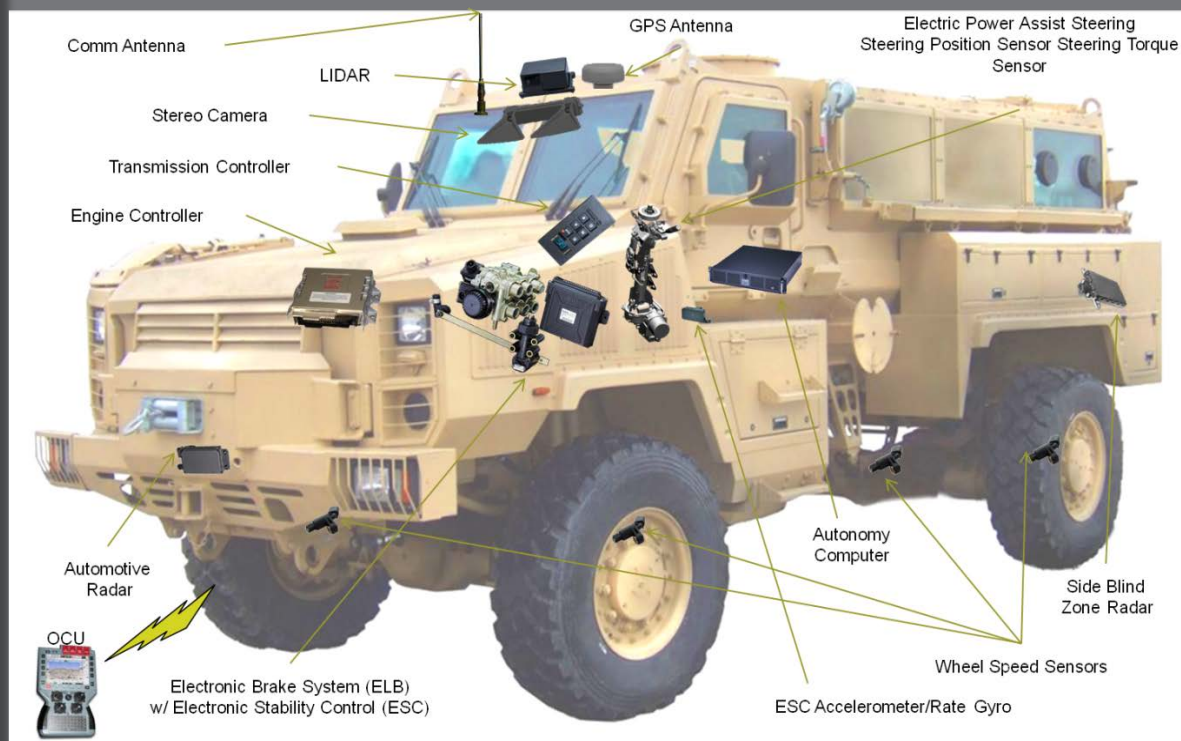
OSD Priority Investment Area (6/7):

Autonomy – science and technology to achieve autonomous systems that reliably and safely accomplish complex tasks, in all environments.



Unclassified Ground Vehicle Robotics (GVR) Mission

Provide Transition-Ready, Cost-Effective, and Innovative Robotics and Control System Solutions for Manned, Optionally-Manned, and Unmanned Ground Vehicles, driven by War Fighter Requirements, through Advanced Technology Research, Development, Experimentation, and System Integration

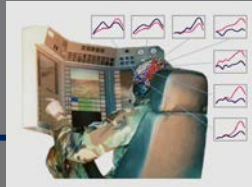


The Birthplace of Army Ground Robotics



Unclassified

GVR Activities



Transition

Requirements

Concepts

Analysis

Component Development

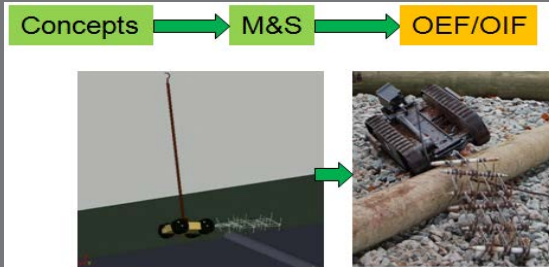
Component Testing

System Integration

Virtual Proving Ground

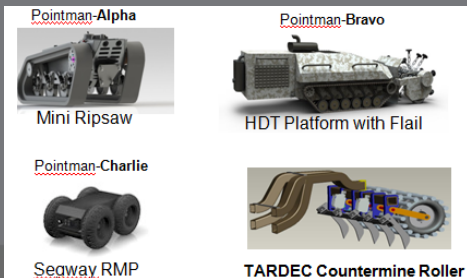
Vehicle Testing/Demo

Supporting the Current Force



Enabling the Future Fight

A+B+C

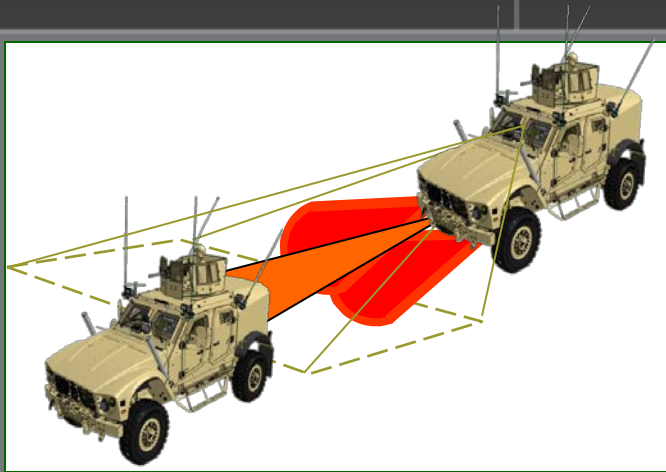


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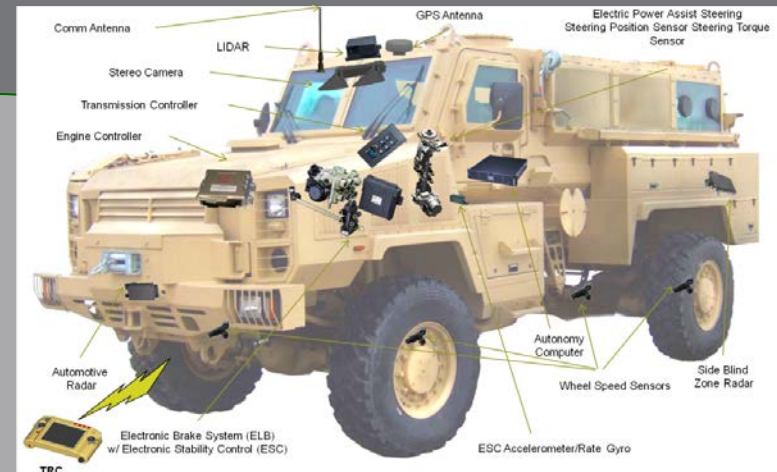


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Current Program Areas



Active Safety Technologies



Optionally Manned Vehicles



Lighten the Load

Interoperability



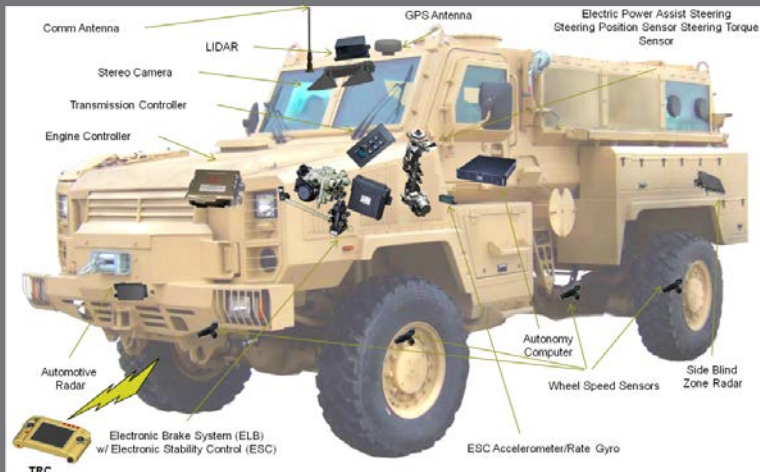
Distributed Soldier Autonomy Tools

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Future Program Areas

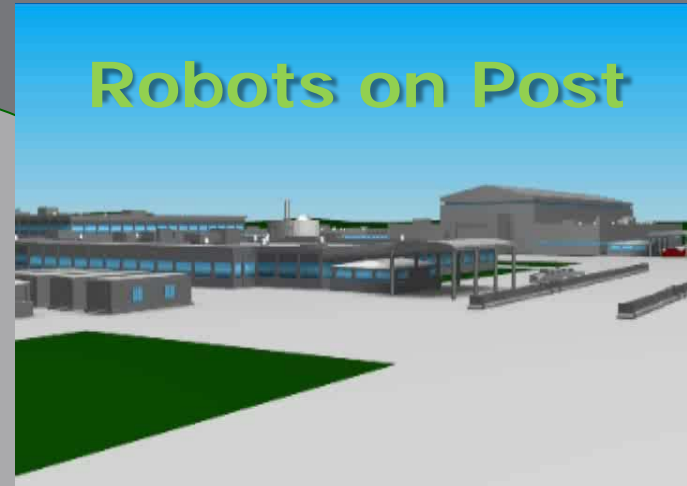


Optionally Manned Vehicles

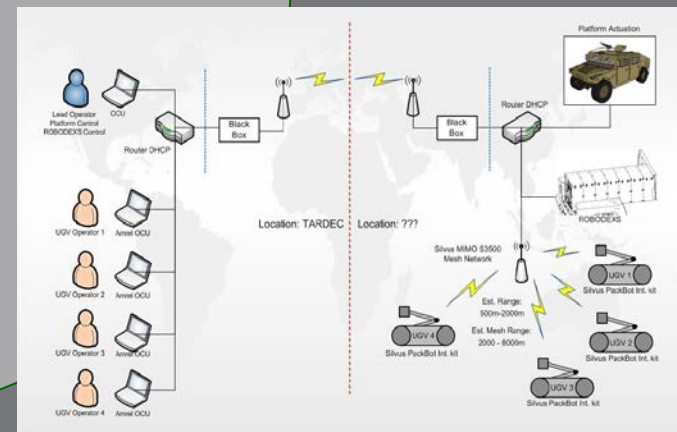


Distributed Soldier Autonomy Tools

Interoperability



ARIBO



Long Distance Tele-op

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A History Lesson

1957



Unclassified



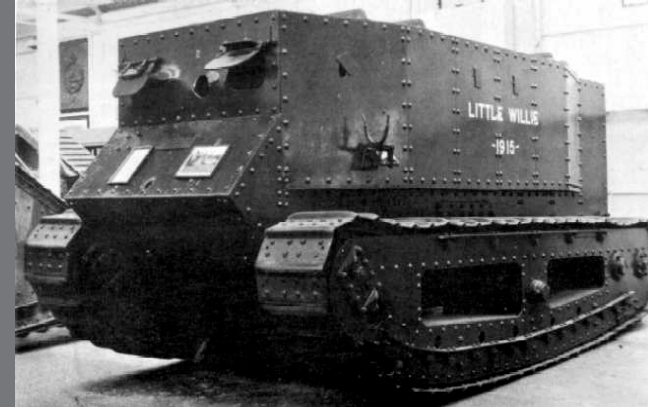
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A History Lesson

1957



1915



Unclassified



A History Lesson

Cabling not shown

RMU Sensor Head

RMU Sensor Body

Fido XT

JCAD

Rafael ANUOR-14

Rafael ANUOR-14



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Questions?